BRUHATH BANGALORE MAHANAGARA PALIKE,

DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

Negotiation Schedule - B

BBMP/2021-22/OW/WORK_INDENT48622

NAME OF WORK: Restoration and improvements of roads and drains in AYR layout, Shettihalli village, RR Layout of Chikkasandra village and Abbigere village roads dugged by BWSSB to lay the water supply and UGD lines under 110 villages in W.No 12 Shettihalli & Restoration and improvements and drain BTS village, Vishveshwaraiah village, Royal enclave and siddedahalli old village roads dugged by BWSSB to lay water supply and sanitary lineunder 110 villages I W.No 14 Dasarahalli sub division

Sl. No	Description of work	Unit	Qty	Rate quoted by the contractor Sri CHIKKABOREGOWDA KARIGOWDA (CKG CONSTRUCTIONS PRIVATE LIMITED)	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	32740.92	112.41	Rupees One Hundred Twelve and Forty One Paise Only
2	Earthwork excavation by manual means for roads, drains & similar works in in hard soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum	36505.84	227.78	Rupees Two Hundred Twenty Seven and Seventy Seven Paise Only
3	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including	Cum	52.65	5675.99	Rupees Five Thousand Six Hundred Seventy Five and Ninety Eight Paise Only
4	Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be	Tonne	9.76	80948.07	Rupees Eighty Thousand Nine Hundred Forty Eight and Six Paise Only

Managing Director
CKG Constructions Pvt. Ltd.,

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CKG Constructions Pvt. Ltd.,
Director

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Dasarahalli Division.

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				In Figures (Rs.)	In Words (Rs.)
5	Providing and laying plain/reinforced cement concrete for side drains Wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including	Cum	121.97	7497.22	Rupees Seven Thousand Four Hundred Ninety Seven and Twenty One Paise Only
6	Providing and laying Pre Cast Drain Cover slabs of 230mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)	Sqm	292.50	4530.86	Rupees Four Thousand Five Hundred Thirty and Eighty Six Paise Only
7	Providing granite slabs 7.5cms Thick of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	7316.73	749.42	Rupees Seven Hundred Forty Nine and Forty Two Paise Only
8	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. complete as	Sqm	868.50	1941.22	Rupees One Thousand Nine Hundred Forty One and Twenty Two Paise Only
9	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. Unloading and Lead for Disposal complete as per specification &	Sqm	67098.90	41.75	Rupees Forty One and Seventy Five Paise Only
10	Leading charges for Scarified quantity complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	cum	5367.91	31.03	Rupees Thirty One and Two Paise Only

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				In Figures (Rs.)	In Words (Rs.)
11	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceablandun serviceable materialsseperately complete as per specifications. complete as per	cum	320.35	995.36	Rupees Nine Hundred Ninety Five and Thirty Five Paise Only
12	Providing and filling Stone Dust in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum	4324.16	1330.60	Rupees One Thousand Three Hundred Thirty and Sixty Paise Only
13	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including	cum	1120.65	5560.70	Rupees Five Thousand Five Hundred Sixty and Sixty Nine Paise Only
14	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at	Cum	1680.98	5690.65	Rupees Five Thousand Six Hundred Ninety and Sixty Five Paise Only
15	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregatesof granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density,complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum.	10121.84	2014.87	Rupees Two Thousand Fourteen and Eighty Six Paise Only

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				In Figures (Rs.)	In Words (Rs.)
16	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum	17881.85	2021.29	Rupees Two Thousand Twenty One and Twenty Nine Paise Only
17	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOMcomplete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	15040.00	5.35	Rupees Five and Thirty Five Paise Only
18	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical meanscomplete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	71372.45	34.26	Rupees Thirty Four and Twenty Five Paise Only
19	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum	3568.62	7365.73	Rupees Seven Thousand Three Hundred Sixty Five and Seventy Two Paise Only

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				In Figures (Rs.)	In Words (Rs.)
20	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	82518.90	12.85	Rupees Twelve and Eighty Four Paise Only
21	Providing and laying bituminous concrete 40mm thick with hot mix plant,do - using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 40 mm) with 5.4% VG-30 Bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Cum	2752.25	8534.82	Rupees Eight Thousand Five Hundred Thirty Four and Eighty Two Paise Only
22	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	Sqm	3700.20	459.29	Rupees Four Hundred Fifty Nine and Twenty Eight Paise Only

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23	Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as per specification & With all lead & lift charges & as per direction of Engineer-In-Charge of Work	No	635.00	360.79	Rupees Three Hundred Sixty and Seventy Nine Paise Only

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Dasarahalli Division,